



ADC770

1/3-INCH COLOR DSP CAMERA WITH WIDE DYNAMIC RANGE



FEATURES

- 1/3-inch interline color CCD
- Digital Signal Processing (DSP)
- 480 TV lines resolution
- 0.4 lux low light sensitivity, 0.02 lux at 1/32 slow shutter
- Wide dynamic range (WDR)
- Automatic electronic shutter (AES)
- Digital slow shutter (DSS)
- Dual (H&V) edge enhancement
- Automatic gain control (AGC)
- Six backlight compensation (BLC) zones
- On-screen Menus
- On-screen Camera Titles
- Supports DC and Video-type auto iris lenses
- C/CS lens mount
- Phase adjustable line-lock
- 24 VAC or 12 VDC input
- Internal isolation transformer

Lenses sold separately

The ADC770 1/3-inch color DSP camera offers an advanced solution to your specific video surveillance needs. Solid and powerful, these cameras are engineered for optimal performance in low light and contrasting lighting conditions.

On-screen menus provide simple access to the camera's parameter settings. Low light sensitivity renders sharp images in scenes as dim as 0.4 lux. Digital Slow Shutter (DSS) provides an even greater level of low light viewing capability. Digital Signal Processing (DSP) combines with 480 TV lines of resolution to deliver the best in picture quality.

Equipped with built-in Auto Tracking White (ATW) Balance and One-Touch White Balance (AWB), the ADC770 can produce accurate color pictures in a broad range of lighting conditions. The One-Touch feature makes these one of the easiest cameras in the industry to adjust for manual white balance.

The ADC770 camera also features motion detection with alarm output, six backlight compensation (BLC) zones (two are user-definable), phase-adjustable line-lock for "roll-free" switching, and a fully isolated power supply that allows you to connect multiple cameras to a single 24 VAC source with minimal interference from ground loops.

These energy efficient cameras are suited for a wide range of applications and save you money in operational costs.

SPECIFICATIONS

Model Numbers

ADC770 Camera, 1/3-inch, Color, 480 TVL,
0.4 lux, WDR, NTSC, 24 VAC/12 VDC

Operational

Imager Interline transfer 1/3-inch CCD array
Video Output 1.0 Vp-p / 75 Ω, composite
Active Pixel Count
NTSC 768 (H) x 494 (V) pixels
Minimum Scene Illumination 0.4 lux (f1.2 lens)
Horizontal Resolution 480 TV lines
Light Compensation Modes Automatic electronic shutter, On/Off
(NTSC 1/60-1/100,000 sec)
Auto Iris Drive DC and Video type
Backlight Compensation 6 Zones (2 definable), On/Off selectable
Aperture Correction Horizontal and vertical
Synchronization Modes Internal, genlock or line-lock with 360°
phase adjustment
White Balance Auto or One-Touch modes
(2,500° k to 8,000° k)
Geometric Distortion None
S/N Ratio -50 dB
Synchronization Internal, genlock or line-lock with phase
adjustment
DC Iris Level control
Back Focus Adjustment ring with lock

Connectors

Input Power Screw terminals
Composite Video BNC
Sync In BNC
Y/C Out
Alarm Output Push terminals
DC Iris 4 pin square connector

Electrical

AC Voltage 24 VAC (+33% -15%)
60 Hz (NTSC)
DC Voltage 12 VDC (+15%, -10%)
Power Consumption 5.2 watts

Mechanical

Lens Mount C or CS type
Camera Mount 1/4 in x 20 in
Dimensions (H x W x L) 63 x 75 x 149 mm
(2.5 x 3.0 x 5.9 in)
Unit Weight 600 g (1.32 lbs)
Color Light gray

Environmental

Temperature
Operating -10° to 50° C (14° to 122° F)
Humidity 90% RH (non-condensing)
Storage -20° to 60° C (-4° to 140° F)

Regulatory

Emissions FCC: Part 15, Class B
ICES-003
Safety UL2044